

#13

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R7	AA	2,927,106	03/01/1960	Hepp, et al.			
	AB	2,928,756	03/15/1960	Campbell			
	AC	2,929,807	03/22/1960	Leatherman, et al.			
	AD	2,930,726	03/29/1960	Jones, et al.			
	AE	2,930,788	03/29/1960	Banks			
	AF	2,936,303	05/10/1960	Goins			
	AG	2,944,049	07/05/1960	Edmonds, Jr.			
	AH	2,962,490	11/29/1960	Edmonds, Jr., et al.			
	AI	2,969,348	01/24/1961	Fawcett			
	AJ	2,969,408	01/24/1961	Nowlin, et al.			
	AK	2,970,991	02/07/1961	Cines			
	AL	2,972,604	02/21/1961	Reynolds, et al.			
	AM	2,973,088	02/28/1961	Canterino			
	AN	2,973,241	02/28/1961	Scott, Jr., et al.			
	AO	2,997,456	08/22/1961	Mills			
	AP	3,001,968	09/26/1961	Canterino, et al.			
	AQ	3,005,793	10/24/1961	Wagner			
	AR	3,007,902	11/07/1961	Nelson			
	AS	3,007,905	11/07/1961	Bailey			
	AT	3,013,820	12/19/1961	Pouppirt			
	AU	3,023,180	02/27/1962	Canterino, et al.			
	AV	3,023,198	02/27/1962	Nowlin, et al.			
	AW	3,024,227	03/06/1962	Nowlin et al.			
	AX	3,035,953	05/22/1962	Arnold			
R7	AY	3,049,529	08/14/1962	Wicklitz, et al.			

RECEIVED
JUL 18 2003
GROUP 3600

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
20	AZ	3,050,510	08/21/1962	Canterino, et al.			
	BA	3,050,513	08/21/1962	Zelinski, et al.			
	BB	3,051,288	08/28/1962	Borodin			
	BC	3,051,692	08/28/1962	Lyons			
	BD	3,067,184	12/04/1962	Cines			
	BE	3,074,616	01/22/1963	Martinovich, et al.			
	BF	3,075,026	01/22/1963	Banks			
	BG	3,076,776	02/05/1963	Findlay			
	BH	3,084,149	04/02/1963	Stevens, et al.			
	BI	3,086,957	04/23/1963	Carter			
	BJ	3,086,958	04/23/1963	Canterino, et al.			
	BK	3,098,062	07/16/1963	Hogan			
	BL	3,099,639	07/30/1963	Cobb, et al.			
	BM	3,101,327	08/20/1963	Lyons			
	BN	3,101,328	08/20/1963	Edmonds, Jr.			
	BO	3,102,876	09/03/1963	Hogan			
	BP	3,108,094	10/22/1963	Morgan			
	BQ	3,108,324	10/29/1963	Zavasnik			
	BR	3,118,857	01/21/1964	Carr			
	BS	3,119,798	01/28/1964	Moberly, et al.			
	BT	3,119,801	01/28/1964	Haskell			
	BU	3,120,506	02/04/1964	Carr			
	BV	3,123,583	03/03/1964	Howard, et al.			
	BW	3,124,622	03/10/1964	Cywinski			
	BX	3,127,370	03/31/1964	Head			
20	BY	3,130,188	04/21/1964	Hogan			

RECEIVED
JUL 18 2003
GROUP 3600

Application No. 09/901,427

Sheet 2 of 10

CHI99 4141820-1.024180.0124

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
RI	BZ	3,147,239	09/01/1964	Canterino, et al.			
	CA	3,157,564	11/17/1964	Tucker, et al.			
	CB	3,165,504	01/12/1965	Hogan			
	CC	3,172,872	03/09/1965	Kraus, et al.			
	CD	3,174,957	03/23/1965	Hall			
	CE	3,176,347	04/06/1965	Shaul			
	CF	3,177,188	04/06/1965	Ray, et al.			
	CG	3,177,193	04/06/1965	Scott, Jr.			
	CH	3,182,049	05/04/1965	Moberly			
	CI	3,183,221	05/11/1965	Axe, et al.			
	CJ	3,188,258	06/08/1965	Young			
	CK	3,208,982	09/28/1965	Davis			
	CL	3,210,332	10/05/1965	Lyons, et al.			
	CM	3,210,910	10/12/1965	Seefluth			
	CN	3,211,635	10/12/1965	Cywinski			
	CO	3,213,071	10/19/1965	Campbell			
	CP	3,215,682	11/02/1965	Farrar, et al.			
	CQ	3,218,224	11/16/1965	Osborn			
	CR	3,219,649	11/23/1965	Nowlin, et al.			
	CS	3,223,694	12/14/1965	Farrar, Jr.			
	CT	3,228,896	01/11/1966	Canterino, et al.			
	CU	3,231,650	01/25/1966	Findlay, et al.			
	CV	3,232,920	02/01/1966	Naylor			
	CW	3,245,975	04/12/1966	Zelinski			
	CX	3,258,456	06/28/1966	Nelson			
RI	CY	3,280,092	10/18/1966	Edmonds, Jr.			

RECEIVED
JUL 18 2003
GROUP 3600

Application No. 09/901,427

Sheet 3 of 10

CHI99 4141820-1.024180.0124

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
RO	CZ	3,285,889	11/15/1966	Arnold			
	DA	3,287,342	11/22/1966	Walton			
	DB	3,288,773	11/29/1966	Harban, et al.			
	DC	3,294,868	12/27/1966	Pritchard			
	DD	3,299,016	11/17/1967	Sonnenfeld			
	DE	3,299,186	01/17/1967	Wallace			
	DF	3,303,239	02/07/1967	Cleary, et al.			
	DG	3,304,281	02/14/1967	Tucker			
	DH	3,308,073	03/07/1967	Kepple			
	DI	3,310,505	03/21/1967	Parker			
	DJ	3,313,786	04/11/1967	Kahle, et al.			
	DK	3,313,794	04/11/1967	Cleary			
	DL	3,317,502	05/02/1967	Harban, et al.			
	DM	3,318,721	05/09/1967	Lineburg			
	DN	3,332,921	07/25/1967	Cleary			
	DO	3,332,928	07/25/1967	Farrar			
	DP	3,336,280	08/15/1967	Naylor			
	DQ	3,345,431	10/03/1967	Harban			
	DR	3,347,955	10/17/1967	Renaudo			
	DS	3,347,966	10/17/1967	Seefluth			
	DT	3,354,138	11/21/1967	Burr			
	DU	3,354,235	11/21/1967	Hogan, et al.			
	DV	3,358,056	12/12/1967	Renaudo			
	DW	3,372,140	03/05/1968	Witt			
	DX	3,402,216	09/17/1968	Hutson, Jr.			
RO	DY	3,403,072	09/24/1968	Wheat			

RECEIVED
JUL 18 2003
GROUP 3600

Application No. 09/901,427

Sheet 4 of 10

CHI99 4141820-1.024180.0124

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R7	DZ	3,404,104	10/01/1968	Hill, et al.			
	EA	3,409,495	11/05/1968	Rasmussen			
	EB	3,412,188	11/19/1968	Seefluth			
	EC	3,415,710	12/10/1968	Arnold			
	ED	3,429,862	02/25/1969	Fodor			
	EE	3,436,380	04/01/1969	Davison			
	EF	3,439,380	04/22/1969	Seefluth			
	EG	3,444,153	05/13/1969	Fodor			
	EH	3,445,367	05/20/1969	Kallenbach			
	EI	3,445,543	05/20/1969	Gruver			
	EJ	3,452,120	06/24/1969	Arnold			
	EK	3,454,545	07/08/1969	Scoggin			
	EL	3,454,675	07/08/1969	Scoggin			
	EM	3,457,322	07/22/1969	Wentz, Jr.			
	EN	3,475,517	10/28/1969	Renaudo			
	EO	3,485,890	12/23/1969	Dixon			
	EP	3,489,729	01/13/1970	Kahle, et al.			
	EQ	3,513,152	05/19/1970	Hogan			
	ER	3,525,123	08/25/1970	Cines, et al.			
	ES	3,531,553	09/29/1970	Bodkins			
	ET	3,536,797	10/27/1970	Cowan, et al.			
	EU	3,538,565	11/10/1970	Simpson, et al.			
	EV	3,544,518	12/01/1970	Bodkins, et al.			
	EW	3,546,312	12/08/1970	Heckelsberg, et al.			
	EX	3,554,961	01/12/1971	Moon			
R7	EY	3,565,853	02/23/1971	Moon			

RECEIVED
JUL 10 2003
GROUP 3600

Application No. 09/901,427

Sheet 5 of 10

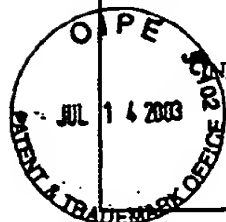
CHI99 4141820-1.024180.0124

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
N	EZ	3,579,478	05/18/1971	Dunn, et al.			
	FA	3,579,602	05/18/1971	Reusser			
	FB	3,586,731	06/22/1971	Heckelsberg			
	FC	3,590,095	06/29/1971	Zeuch			
	FD	3,600,371	08/17/1971	Marwil			
	FE	3,607,987	09/21/1971	Walton, et al.			
	FF	3,627,869	12/14/1971	Walton			
	FG	3,761,550	09/25/1973	Seefluth			
	FH	3,770,408	11/06/1973	McCully			
	FI	3,893,957	07/08/1975	Mixon, et al.			
	FJ	4,198,327	04/15/1980	Matsumoto, et al.			
	FK	4,464,328	08/07/1984	Yoshino, et al.			
	FL	4,526,821	07/02/1985	McHenry, et al.			
	FM	4,619,849					
	FN	4,701,360	10/20/1987	Gibbons, et al.			
	FO	4,846,656	07/11/1989	Denis, et al.			
	FP	4,861,526	08/29/1989	Gibbons, et al.			
	FQ	4,923,395	05/08/1990	Coxhead, et al.			
	FR	4,950,510	08/21/1990	Massouda			
	FS	4,981,906					
	FT	5,035,851	07/30/1991	Schirmer			
	FU	5,035,933	07/30/1991	Ilenda, et al.			
	FV	5,085,822	02/04/1992	Uehara, et al.			
	FW	5,129,815	07/14/1992	Miyazawa, et al.			
	FX	5,133,999	07/28/1992	Löfgren, et al.			
N	FY	5,175,036	12/29/1992	Smiley, et al.			

RECEIVED
JUL 18 2003
GROUP 3600

Application No. 09/901,427

Sheet 6 of 10

CHI99 4141820-1.024180.0124

(Rev. 5/92)
Comparable to
PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

*Exam. Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R	FZ	5,183,706	02/02/1993	Bekele			
	GA	5,238,718	08/24/1993	Yano, et al.			
	GC	5,324,528	06/28/1994	Wright, et al.			
	GD	5,459,218	10/17/1995	Palackal, et al.			
	GE	5,487,940	01/30/1996	Bianchini, et al.			
	GF	5,512,338	04/30/1996	Bianchini, et al.			
	GG	5,616,353	04/01/1997	Wright, et al.			
	GH	5,631,030	05/20/1997	Brun, Jr., et al.			
	GI	5,635,226	06/03/1997	Koda, et al.			
	GJ	5,730,919	03/24/1998	Wilfong, et al.			
	GK	5,874,115	02/23/1999	Dobler			
	GL	6,037,022	03/14/2000	Adur, et al.			
	GM	6,037,063	03/14/2000	Muschiatti, et al.			
	GN	6,042,906	03/28/2000	Itoh, et al.			
	GO	6,110,548	08/29/2000	Kinsey			
	GP	6,136,354	10/24/2000	Wood, et al.			
	GQ	6,139,790	10/31/2000	Bogen, et al.			
R	GR	6,239,210	05/29/2001	Kim, et al.			

RECEIVED
JUL 18 2003
GROUP 3600

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

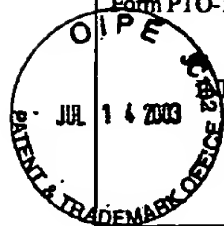
Group: 3627

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
R7	GS	WO 94/23941	10/27/1994	PCT				
1	GT	WO 96/05110	02/22/1996	PCT				
	GU	WO 00/63085	26/10/2000	PCT				
R7	GV	0 407 880	05/12/1999	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

R7	GW	Co-pending Patent Application No. 09/539,529 filed March 30, 2000.
	GX	Co-pending Patent Application No. 10/046,500 filed October 24, 2001.
	GY	Product Information: Fusabond® polymers modifiers, Fusabond® Product Line, DuPont Industrial Polymers website, October 30, 2000.
	GZ	S.M.B. Nachtigall, R. Baumhardt and R.S. Mauler, "A Factorial Design Applied to Polypropylene Functionalization With Maleic Anhydride", <u>Polymer Engineering and Science</u> , Vol. 39, No. 4, pp. 630-637 (1999).
	HA	Yuji Sawada, Hiromi Shigemoto, Haruhiko Tanaka, "Advanced Adhesive Resins Achieved With Metallocene Technology", Mitsui Chemicals, INC., handout at Future-Pak '99.
	HB	S. Sanchez-Valdes, F. Orona-Villarreal, M. Lopez-Quintanilla, I. Yanez-Piñeros and L.F. Ramos-Soriano, "Performance of Multilayer Films Using Maleated Linear Low-Density Polyethylene Blends", <u>Polymer Engineering and Science</u> , Vol. 38, No. 1, pp. 150-155 (1998).
	HC	"What We Make, Maleic Anhydride (MAN)", BP Amoco Chemicals Products website, printed February 15, 2000.
	HD	W.H. Gardner and L.H. Flett, "Maleic Acid, Fumaric Acid, and Maleic Anhydride", <u>Encyclopedia of Chemical Technology</u> , Third Edition, Vol. 14, pp. 770-793 (1982).
	HE	Bo Pan, K. Viswanathan, C.E. Hoyle, R. Redfearn and R.B. Moore, "Photografting of Maleic Anhydride Onto Hydrocarbons: A Model Study On the Grafting Mechanism", <u>Polymer Preprints 2001</u> , 42(2), pp. 278-279.
	HF	Chapter 16, p. 482, Source unknown (date unknown).
R7	HG	Shucai Li, Pentti K. Jarvela and Pirkko A. Jarvela, "A Comparison Between Apparent Viscosity and Dynamic Complex Viscosity for Polypropylene/Maleated Polypropylene Blends", <u>Polymer Engineering and Science</u> , Vol. 37, No. 1, pp. 18-23 (1997).



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) cont.

RO	HH	Darilyn H. Roberts, Robert C. Constable and Seshan Thiruvengada, "Advances in Maleated Polyolefins for Plastics Applications", <u>Polymer Engineering and Science</u> , Vol. 37, No. 8, pp. 1421-1426 (1997).
	HI	Sidel, Wave Lengths Frequencies Composition Applications Of The Electromagnetic Spectrum, (date unknown).
	HJ	A. Derdouri, R. Connolly and R. Khayat, "Material Constants Identification for Thermoforming Simulation", <u>ANTEC '98</u> , pp. 672-674.
	HK	D. Laroche and F. Erchiqui, "Experimental and Theoretical Study Of The Thermoformability of Industrial Polymers", <u>ANTEC '98</u> , pp. 676-680.
	HL	Tameka Spence and Donald Hylton, "Rheological Studies of Commercial Thermoforming Materials", <u>ANTEC '98</u> , pp. 681-689.
	HM	Plastics World, "Oriented Polypropylene: Strong New Contender Enters the Bottle Race", pp. 56-58 (1970).
	HN	Plastics Engineering, "Beloit takes the wraps off its latest biaxial blow molder", pp. 40-41 (1975).
	HO	Volker Rauschenberger, "Predicting The Processability of BOPP (Biaxially Oriented Polypropylene) Material For Film Applications On Laboratory Scale", <u>ANTEC '98</u> , pp. 150-154.
	HP	Ashish M. Sukhadia, "The Effects Of Molecular Structure, Rheology, Morphology and Orientation On Polyethylene Blown Film Properties", <u>ANTEC '98</u> , pp. 160-168.
	HQ	Nathalie Legros, Akbar Ghaneh-Fard, Kenneth C. Cole, Abdellah Aji and Michel M. Delsol, "Tensile Properties And Orientation Evolution With Processing Conditions In Polyethylene Blown Film", <u>ANTEC '98</u> , pp. 169-173.
	HR	S. Piccarolo, "Recovery Of Uniaxially Oriented Polypropylene", pp. 443-450 (date unknown).
	HS	Arindam Datta, Jianguo J. Zhou, J. Jenny Yuan and Andrea Monisera, "The Effects of Annealing Conditions on the Structure and Properties of Polypropylene Fibers", <u>Medical Plastics and Biomaterials Magazine</u> , from devicelink.com/mpb/archive (1997).
	HT	Francesco Briatico-Vangosa and Marta Rink, "Deformational Behavior of Polyolefins at High Temperature and Strain Rate: Experimental Analysis and Constitutive Laws", <u>Polymer Engineering and Science</u> , Vol. 40, No. 7, pp. 1553-1563 (2000).
	HU	Phillip T. DeLassus and Nicole F. Whiteman, "Physical and Mechanical Properties of Some Important Polymers", <u>Polymer Handbook</u> , 4th ed., pp. 159-169 (date unknown).
RO	HV	Ethylene Polymers, Vol. 6, <u>Encyclopedia of Polymer Science and Engineering</u> , Vol. 6, pp. 420-423 (date unknown).

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Docket No: 24180-124004

Appl. No. 09/901,427



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants: Curie, et al.

Filing Date: July 9, 2001

Group: 3627

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) cont.

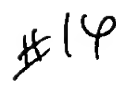
27	HW	December 19, 1997 computer search results listing titles and abstracts of citations numbered: 1-2 from <i>Energy Science and Technology</i> ; 3 from <i>Engineering Index</i> ; 4 from <i>Engineered Materials Abstracts</i> ; 5 from <i>Mechanical Engineering</i> ; 6-8 from <i>Materials Business</i> ; 9 from U.S. Patent Bibliographic Database; 10-20 from <i>Paper and Board Printing and Packaging</i> ; 21 from <i>Packaging Science & Tech. Abstracts</i> ; and 22-53 from <i>Rubber & Plastics Research Abstracts</i> .
	HX	December 19, 1997 computer search results listing titles and abstracts of citations numbered: 1 from <i>Engineering Index</i> ; 2-9 from <i>Paper and Board Printing and Packaging</i> ; 10-17 from <i>Rubber & Plastic Research Abstracts</i> .
	HY	December 19, 1997 computer search results listing titles and abstracts of citations numbered: 1-4 from <i>Paper and Board Printing and Packaging</i> ; and 5-8 from <i>Rubber & Plastics Research Abstracts</i> .
	HZ	Thomas R. Mueller, "Improving Barrier Properties of Polypropylene Films", <i>Journal of Plastic Film & Sheeting</i> , Vol. 14, pp. 226-233 (1988).
	IA	William W. Cox and Edward K. Bullock, "Draw Stress Characterization of Polypropylene For Improved Biaxial Film Processability", pp 397-415 (date unknown).
	IB	M.E. Gross and C.D. Weber, "Carboxylic Polymers In Adhesives", <i>Handbook of Adhesives</i> , 2 ed., pp. 331-342.
	IC	S. Sanchez-Valdes, I. Yanez-Flores, L.F. Ramos De Valle, O.S. Rodriguez-Fernandez, F. Orona, J. Villarreal and M. Lopez-Quintanilla, "Fusion Bonding of Maleated Polyethylene Blends to Polamide 6", <i>Polymer Engineering and Science</i> , Vol. 38, No. 1, pp. 127-133 (1998).
	ID	DeBell & Richardson, Inc., "Status And Prospects Of Plastic Bottles In Food And Beverage Packaging", pp. 63-64 (1971).
28	IE	Scott M. Hacker, "Not all Maleated Polyolefins are Created Equal", ANTEC '01 handout.

Examiner

Date Considered

3/3/04

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. Department of Commerce
Patent and Trademark Office

Appl. No: 09/901,427

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants: Curie et al.

Filing Date: July 9, 2001

Group: 3627

U.S. PATENT DOCUMENTS

RECEIVED
JAN 28 2004
GROUP 3600

Examiner

Date Considered,

$$3/3/4$$

***Examiner:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.